

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES *
2. AMENDMENT/MODIFICATION NO. <b>PR-NC-97-10156/0001</b>	3. EFFECTIVE DATE 16 JUN 1997	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY <b>Environmental Protection Agency Contracts Mgt. Division Admin Bldg Lobby, Alexander Dr. Research Triangle Park, NC 27709</b>	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
		<b>Not Applicable.</b>	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(✓)	9A. AMENDMENT OF SOLICITATION NO. <b>PR-NC-97-10156</b>
<b>To All Offerors/Bidders.</b>			9B. DATED (SEE ITEM 11) <b>05/29/97</b>
		✓	10A. MODIFICATION OF CONTRACT/ORDER NO.
			10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE		

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)****13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		<b>BARBARA H. STEARRETT</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

NSN 7540-01-152-8070  
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (REV 10-83)  
Prescribed by GSA  
FAR (48 CFR) 52.243

**AMENDMENTS TO THE SOLICITATION**

1. The due date for receipt of proposals has been extended until 4:30 p.m., local time, on July 8, 1997.

2. The clause entitled "CONSIDERATION AND PAYMENT--ITEMIZED FIXED PRICES (EP 52.216-170) (APR 1984)" has been modified. The text is as follows:

The fixed price of this contract is \_\_\_\_\_. Payment will be made upon delivery and acceptance of required items as follows:

<u>Item No.</u>	<u>Description</u>	<u>QTY</u>	<u>Unit</u> <u>Price</u>	<u>Amount</u>
1.	Two new batteries consisting of 90 jars of C&D XT2L-25, end voltage 1.67, float voltage 2.25-2.30 or equivalent with the salient characteristics set forth in Attachment 1-Statement of Work.	2 EA.	\$_____	\$_____
2.	New seismic 3 Tier battery racks (two sixteen (16') feet racks per battery) to accommodate all cells set forth in Item No. 1 installed within existing space-in a configuration determined during the engineering phase of this project. For additional details see Attachment 1-Statement of Work.	2 EA.	\$_____	\$_____
3.	All labor, materials, and equipment necessary to complete the parallel installation of the two new strings of batteries, installation of two 3-tier seismic battery racks, disposal of existing batteries, and restoration of battery storage facility prior to installation of new batteries, in accordance with Attachment 1 - Statement of Work.	1 JOB		\$_____
GRAND TOTAL				\$_____

3. The attachment entitled "STATEMENT OF WORK" has been modified. The text is as follows:

**STATEMENT OF WORK**

The U.S. Environmental Protection Agency (USEPA), has a requirement for the removal and replacement of aged battery banks used with one of its Uninterruptible Power Supply (UPS) systems that support the EPA National Computer Center (NCC), Research Triangle Park, North Carolina. The NCC provides a wide range of computer processing and telecommunications for the Agency, nationwide, supporting 20,000 customers. This contract is to provide for this replacement, including engineering, factory testing/certification, parts, labor, travel, shipping, removal and disposal/recycling of the existing aged battery cells and related components, testing and cleanup.

**The Contractor shall supply:**

- o Two batteries consisting of 90 jars of C&D XT2L-25 each, end voltage 1.67, float voltage 2.25-2.30 or equivalent (vacuum tested heliarc welded post seals and fiberglass retention mats on separators) for parallel installation at 400KW each string.
- o Each and every cell shall be factory tested in circuits of at least 60 cells to 100% of rated capacity with written certification from the factory of test results of each cell. Each string shall be exactly matched in reference to voltage and numbered before shipment.
- o New seismic three tier battery racks to accommodate all cells above must be installed within existing space-in a configuration determined during the engineering phase of this project.
- o All cables and inter-cell connections for complete battery installation to battery circuit breaker. All cables shall be flexible enough and properly supported such that no stress is on the battery posts.

**The Contractor shall deliver or arrange for delivery of:**

- o All battery cells, racks, wiring, connectors, paint, neutralizes, etc., necessary for a complete and successful battery installation inside the A-wing battery room A-164A at the U.S. Environmental Protection Agency, Environmental Research Center (ERC), 86 T.W. Alexander Drive, Research, Triangle Park, North Carolina 27711. The contractor shall be completely responsible and liable for all cleanup during the delivery process.

**The Contractor shall provide all engineering for this project. A scaled drawing of the present battery room is attached. Engineering includes, but is not limited to:**

- o Coordination of all appropriate permits, inspections and compliance with all local, state and federal codes.
- o Proper UL ratings on cables.
- o Proper wire sizing as per National Electrical Code (NEC) for amperage at end voltage of cells.
- o Verification of lug compatibility for all electrical connections.
- o Proper rack and conveyance systems design to provide for a safe and aesthetically pleasing environment with no stress on battery posts,

cells or racks.

- o Exact room and equipment layouts showing new rack placement with number of cells per level per rack and service clearances.
- o Detailed drawings showing all battery connections and conveyance system(s) wiring, including battery numbering and other labeling.
- o All engineering drawings must be approved by the EPA Project Officer and EPA/OARM/ASD [Administrative Services Division (ASD)] prior to equipment delivery.
- o Recommendations shall be submitted for upgrade to present acid spill control in the existing battery rooms for new and existing racks.
- o Other recommendations as appropriate.

**The Contractor shall do all required site demolition including:**

- o Removal of all Battery module 1 which has 166 cells C&D LCVC-17, 6 cells C&D LCWC-19, 12 cells C&D LCC-17 for a total of 184 cells and Battery Module 2 which has 182 cells C&D KCWC-25 and 1 cell C&D XT2LC17 for a total of 183 cells, wiring, interconnections and four (4) short racks and three (3) long racks.
- o Cleaning and neutralizing the entire area.
- o Patching and painting floor to match where old racks were installed and touching up any areas damaged or scratched during demolition (unless the acid spill control design requires a new floor coating-in which case the contractor shall paint the entire area).
- o Transportation of old cells and all other materials for demolition off site, and disposal or recycling (except any conveyance systems which will be reused).
- o Provide documents of disposal/recycling as required by EPA and other regulations.

**The Contractor shall install new cells, racks, wiring, and conveyance exactly as the final approved drawing indicates.**

- o All work must comply with National Electrical Code (NEC) and all other applicable local, state, and federal codes.
- o All cables and conveyance shall be installed per drawings and in a fashion which does not stress any battery posts, etc. If required, cables shall be strapped at proper intervals to retain a "free air" amperage rating.
- o All connecting wires and links shall be properly installed and torqued using stainless steel hardware and corrosive resistant coatings. These shall also be secured in a fashion which does not stress any battery posts, etc. (Again, the contractor is completely responsible and liable for all cleanup and repairs resulting from the installation process.)

- o After applying an equalizing charge, all cells shall be completely checked for specific gravity, voltage, connection resistance, torque, and electrolyte levels. Any cell(s) which do not test within normal levels shall be replaced within three working days by the contractor. The remaining cells are to be energized to support the UPS during the replacement period. Load testing can not commence prior to all cells testing in normal range. The contractor shall deliver and install the replacement cell(s) within thirty working days.
- o Upon completion of installation and removal of all materials, debris, etc., the existing lexan spill dam across the double doors shall be replaced and resealed to prevent leakage into dock area.

**The Contractor shall schedule and coordinate a full load bank test of each set of new batteries.**

- o Each module/battery (180 cells) shall be tested individually using a 400KW certified load bank.
- o Shutdown time must be scheduled at least thirty (30) days prior with the EPA Project Officer and shall be conducted during off hours such as weekends/holidays.
- o Repairs of all damage to existing equipment due to improper electrical hookup, short circuit or other accidents in preparation for or during the load test shall be the responsibility of the contractor. The UPS modules shall be in exactly the same condition after the load test as they were prior to testing. All cables to be removed for the test shall be labeled and a drawing indicating where each is to be reattached shall be provided to the Project Officer. Upon test completion all removed cables shall be replaced exactly as they were before removal. They shall be torqued to manufacturer's specification after reinstallation.
- o Test shall last for the duration of the battery charge documenting DC volts and amps each 30 seconds for the first 12 minutes and each 15 seconds thereafter until the UPS goes off-line due to low DC voltage.
- o The batteries must meet or exceed the 15 minute design rating in order to be accepted by EPA. If the battery does not meet or exceed the 15 minute rating, the contractor shall diagnose the problem and replace any and all cells which are out of specifications. This replacement shall be completed within one (1) week from test date. During that week the cells shall remain energized to support the UPS even though backup time is reduced, unless the Project Officer and the Contractor mutually agree that to energize them will cause a risk of fire, UPS damage, or constitutes a code violation. After replacement is complete and new cells are charged and checked for specific gravity, voltage, connection resistance/torque and electrolyte levels by the contractor, a new load test shall be scheduled and conducted exactly as before. The batteries shall meet or exceed the 15 minute design rating prior to acceptance by EPA.

After the test is complete the Contractor shall replace and re-torque any connections removed for the test. All machine covers shall be replaced, and the UPS systems restarted by the Contractor. The EPA NCC staff will switch

the computer systems from bypass mode to UPS power. The contractor shall coordinate all activities in advance with the EPA Project Officer and the EPA Project Officer will be responsible for coordinating these activities with ongoing activities at the NCC. The contractor shall remove any and all trash, extra parts, test equipment and shall leave the site as clean as they found it. Warranty shall commence upon acceptance by EPA.

4. Questions received at the Preproposal Conference held on June 9, 1997 and the responses to those questions are attached hereto and made a part hereof.

5. A list of attendees at the preproposal conference is furnished for information purposes, attached hereto and made a part hereof.

6. The following information/items were provided to and/or discussed with attendees at the preproposal conference and are attached hereto and made a part hereof:

- a. Agenda of preproposal conference.
- b. Highlights of the solicitation.

7. All previous scaled drawings of the present battery room are obsolete and hereby deleted. The new and updated scaled drawings of the present battery room are attached hereto and made a part of this amendment.

8. Any questions generated as a result of this amendment must be received in writing by the Contracting Officer no later than the close of business on June 20, 1997.